

We claim:

- 1. A method for authenticating a mobile to a Serving Network, the method comprising the steps of:
- establishing a security association between the mobile and the Serving Network thus authenticating the mobile to the Serving Network;
- 5 challenging the authenticity of the mobile; and
- 6 preventing the mobile from having access to the Serving Network when the
- 7 mobile cannot authenticate itself to the SN.